



Magna Coatings is a proud member of the **Quantum Group** of companies.

SafeCoat Exterior Intumescent Coating

MATERIAL SAFETY DATASHEET

Section 01: Chemical Product and Company Identification

Product	SafeCoat Exterior Intumescent Coating
Uses	Fire Retardant Coating
Manufacturer/ Supplier	Magna Coatings Technology
	14601 - 134 Avenue Edmonton, AB, CANADA T5L4S9
Phone Number	(780) 451-2211
Facsimile	(780) 451-8011
Prepared by	Quantum Technical Services Ltd.
Preparation Date	March 29, 2006
24 Hour Emergency Number	1 (613) 996-6666 Canutec

Section 02: Composition/ Information on Ingredients

Hazardous Ingredients/CAS	%	T.L.V.	LD/50 (Route, Species)	LC/50
Dipropylene glycol monomethyl ether/034590-94-8	3	TWA: 100 ppm	5.4 ml/kg (oral, rat)	not available
Melamine/108-78-1	8	not available	not available	not available
Xylene/1330-20-7	20	100 ppm	4300mg/kg (oral, rat)	5000 ppm /4 h (inhale, rat)

Section 03: Hazards Identification

Route of Entry	Eye Contact, Skin Contact, Inhalation
Eye Contact	Irritant
Skin Contact	Irritant
Skin Absorption	Permeator
Inhalation (Acute)	Hazardous if inhaled.
Ingestion	Hazardous if ingested.
Effects of Chronic Exposure	No chronic health effects are expected from normal use of this product.

Section 04: First Aid Measures

Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Seek medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. If irritation persists seek medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.
Ingestion	If ingested, consult a physician. Give large amounts of milk or water. Do not induce vomiting. Never give anything by mouth if victim is unconscious.
Additional Information	Not available.

Section 05: Fire Fighting Measures

Flash Point	42.2 C Closed Cup
Auto Ignition Temperature (C)	210 C approximately
Upper Explosive Limit(% Vol.)	5
Lower Explosive Limit(% Vol.)	0.8
Extinguishing Media	Water spray or fog (do not use water jet) , Carbon Dioxide, Dry chemical, Foam.
Hazardous Combustion Products	By fire: Protect against potentially toxic and irritating fumes.
Sensitivity to Mechanical Impact	Not Available
Sensitivity to Static Discharge	Not Available
Special Fire Fighting Procedures	Firefighter should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

Section 06: Accidental Release Measures

Leak/Spill	Dike area to prevent spreading. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal. Utilize recommended protective clothing. Eliminate all sources of ignition.
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Section 07: Handling and Storage

Handling Procedures	Avoid skin and eye contact. Avoid breathing fumes. Remove contaminated clothing before reuse. Maintain a good personal hygiene.
Storage Needs	Store in a cool well ventilated location. Store in tightly sealed container and keep away from all sources of ignition. Keep container closed when not in use.

Section 08: Exposure Controls / Personal Protection

Protective equipment	
Eye/Type	Liquid chemical goggles. Contact lenses should not be worn
Respiratory/Type	Wear MSHA/NIOSH approved respirator when ventilation is inadequate.
Gloves/Type	Rubber or plastic impervious gloves. Wash thoroughly before handling any food.
Clothing/Type	Wear adequate protective clothes.
Footwear/Type	Not applicable.
Other/Type	Eyewash fountain. Emergency shower should be in close proximity.
Ventilation Requirements	Provide exhaust ventilation to keep airborne vapour concentration below threshold limit value.

Section 09: Physical and Chemical Properties

Physical State	Liquid
Odor	Slight
Specific Gravity	1.2
Odor Threshold(ppm)	Not available
Vapor Pressure (mm Hg)	Not available
Vapor Density (Air=1)	5 (approximately)
Evaporation Rate	Not available
Boiling Point	Approximately 157 C
pH	Not applicable
Solubility in water	Not available
Coefficient of Water/Oil	
Distribution	Not available
Freezing Point (deg C)	Approximately -20 C

Section 10: Stability and Reactivity

Incompatibility	None known
Reactivity Conditions	Highly reactive with oxidizing and reducing agents. Slightly reactive to organic acids and alkalis.
Hazardous Products of Decomposition	Not available.

Section 11: Toxicological Information

Irritancy of Material	Irritant
Sensitizing Capability of Material	Not applicable
Carcinogenity of Material	Not available
Teratogenicity	Not available
Mutanagenity	Not available
Synergistic Materials	Not available

Section 12: Ecological Information

Fish Toxicity	Not available
Biodegradability	Not available

Section 13: Disposal Considerations

Waste Disposal	In accordance with municipal, provincial and federal regulations. Empty containers must be handled with care due to protect residue.
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Section 14: Transport Information

T.D.G Classification Class 3, UN 1263, Packing Group III
Shipping Name Paint

Section 15: Regulatory Information

WHMIS Classification B-3, Flammable liquid with flash point greater than 37.8C
D-2b, Material causing other toxic effects.
This product has been classified in accordance with the hazard criteria of the controlled products regulations and the MSDS contains all the information required by the controlled products regulations.

Section 16: Other Information

Note This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Quantum Technical Services Limited. The data on this sheet relates only to the specific material designated herein. Quantum Technical Services Ltd. assumes no legal responsibility for use or reliance upon these data.



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